As a below named inventor, I declare that I believe I am an original, first and joint inventor of the inventor which is claimed and for which a patent is sought on the invention entitled:

## 28 Human Secreted Proteins

the specification of which was filed on May 11, 2001 as Application Serial No. 09/852,659.

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			Yes	No
(Number)	(Country)	(Day/Month/Year Filed)		

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

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1.	02-Feb-2001	60/265,583
2.	14-Mar-1997	60/040,762
3.	14-Mar-1997	60/040,710
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5.	30-May-1997	60/048,100
6.	30-May-1997	60/048,357
7.	30-May-1997	60/048,189
8.	05-Sep-1997	60/057,765
9.	06-Jun-1997	60/048,970
10.	19-Dec-1997	60/068,368

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Full name of additional fir	st joint inventor:	Steven M. Rube	en	
Inventor's signature: Residence: 18528 Her	Alin	Olney, MD 20832	Date: 9/0	6/0/ US
Full name of additional jo  Inventor's signature: Residence: 22400 Rol Post Office Address:	longho	Craig A. Rosen	Date: 9/8 Citizenship:	/0/ US
Full name of additional jo		Yi Li		
Inventor's signature: Residence: 990-6 Alpine Post Office Address:	Terrace, Sunnyvale same as above	, CA 94086	Date: Citizenship:	CN
Full name of additional jo	oint inventor:	Zhizhen Zeng		
Inventor's signature: Residence: 410 Shipwrig Post Office Address:	hter Way, Lansdale same as above	, PA 19446	Date: Citizenship:	CN

Full name of additional joint inventor:	Hla Kyaw
	Date:
Inventor's signature: Residence: <u>520 Sugarbush Circle Fred</u> e	rick MD 21703 Citizenship: Myanma
Post Office Address: same as abo	re
Post Office Address. Sumo as ass	
Full name of additional joint inventor	
Inventor's signature:	L. Six My Date: 69,04-0
Residence: 5810 Hall Street, Burke	Virginia 22015 Citizenship: US
Post Office Address: same as abo	
Full name of additional joint inventor	Haodong Li
	Date:
Inventor's signature: Residence: 11033 Rutledge Drive,	
Residence: 11033 Rutledge Drive, Post Office Address: same as abo	Cartifolding, WID 20070 Cities I
Full name of additional joint inventor	Daniel R. Soppet
Inventor's signature:	Date:
Residence: 15050 Stillfield Place	Centreville, VA 20120 Citizenship: US
Post Office Address: same as abo	ve
Full name of additional joint invento	: Reiner L. Gentz
Inventor's signature:	0.0
Residence: 13608 Mount Prospec	
Post Office Address: same as ab	ve
Full name of additional joint invento	: Ying-Fei Wei
Inventor's signature:	Date:
Residence: 242 Gravatt Drive, Be	keley, CA 94705 Citizenship: CN
Post Office Address: same as ab	ove
Full name of additional joint invento	r: Paul A. Moore
Inventor's signature:	A. Moor Date: 8/30/
	ive definition and a second
Post Office Address: same as at	UYC

Full name of additional joint inventor: Paul E. Young		
Inventor's signature:  Residence: 122 Beckwith Street, Gaithersburg, MD 20878	Date: Citizenship:	US
Residence: 122 Beckwith Street, Gatthersburg, WD 20076  Post Office Address: same as above		
FUSI Office Address.		
Full name of additional joint inventor:  John M. Greene		<del></del>
	Date:	
Inventor's signature: Residence: 872 Diamond Drive Gaithersburg, MD 20878	Citizenship:	US
Post Office Address: same as above		
Full name of additional joint inventor: Ann M. Ferrie		
I and all along turns	Date:	
Inventor's signature:  Residence: 120 Fox Run Drive Tewksbury, MA 01876	Citizenship:	US
Post Office Address: same as above		

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NOV 0 9 2007 (2)

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Full name of additional first joint inventor:	Steven M. Ruben
Inventor's signature:  Residence: 18528 Heritage Hills Drive, Olne Post Office Address: same as above	Date:  y, MD 20832 Citizenship: US
Full name of additional joint inventor: Cr	raig A. Rosen
	Date:
Inventor's signature:  Residence: 22400 Rolling Hills Lane, Layton  Post Office Address: same as above	
Post Office Address: same as above	
Full name of additional joint inventor:  Inventor's signature:  Residence: 990-6 Alpine Terrace, Sunnyvale, C.  Post Office Address: same as above	Date: 9/28/0   Citizenship: CN
Full name of additional joint inventor: Z	hizhen Zeng  Date:
Inventor's signature:	
Residence: 410 Shipwrighter Way, Lansdale, P.	A 19440 Citizensing.
Post Office Address: same as above	

Full name of additional joi	nt inventor:	Hla Kyaw		
Full name of additional joi	SAY SAN COMPANY		Date:	
Inventor's signature:		N. D. 21702		lyanmar
nventor's signature: Residence: <u>520 Sugarbush</u>	Circle Frederick,	MD 21703		
Post Office Address:	same as above			
		Carrie L. Fischer		
Full name of additional jo	int inventor:	Carrie E. Tiones		
			Date:	
Inventor's signature:	Street, Burke, Vin	rginia 22015	Citizenship:	_US
	same as above	giina 22011		
Post Office Address:	same as above			
	oint inventor:	Haodong Li		
Full name of additional jo	CARRY AND COLUMN		Date	
Inventor's signature:			Date:	CN
Residence: 11033 Ru	ıtledge Drive, Gai	thersburg, MD 20878	Citizenship:	
Post Office Address:	same as above	·		
Post Office Address.				٠
	•	1 1 7 C		
Full name of additional	joint inventor:	Daniel R. Soppet		
· · · · · · · · · · · · · · · · · · ·			Date:	
Inventor's signature:		11. VA 20120	Citizenship:	US
Residence: 15050 S	tillfield Place, Ce	ntreville, VA 20120		
Post Office Address:	same as above			
		Reiner L. Gentz		
Full name of additional	joint inventor.	Acmer 2	<del></del>	
			Date:	
Inventor's signature:	Agunt Prospect Di	rive, Rockville, MD 2085	O Citizenship:	DE
	same as above	· · · · · · · · · · · · · · · · · · ·		
Post Office Address:	Same us use			
Full name of additional	l ioint inventor:	Ying-Fei Wei		
Full hame of additional	- <b>3</b>		Date:	
Inventor's signature:			Citizenship	CN
Residence: 242 Gr	avatt Drive, Berke	eley, CA 94705	Citizensinp	
Post Office Address:	same as abov	<u>e</u>		
1000 071100 1100				
		n I A Maara		
Full name of additions	al joint inventor:	Paul A. Moore		
			Date:	
Inventor's signature:		Company MD 208		o: GI
Residence: 19005	Leatherbark Driv	e Germantown, MD 2087	, ,	
Post Office Address:	same as abov	ve		

PZ003P4

أله أنسد

Full name of additional joint inventor: Paul E. Young	
Inventor's signature:  Residence: 122 Beckwith Street, Gaithersburg, MD 20878  Post Office Address: same as above	Date: Citizenship: US
Full name of additional joint inventor: John M. Greene	e
	Date:
Inventor's signature:  Residence: 872 Diamond Drive Gaithersburg, MD 20878	Citizenship: US
Residence: 872 Diamond Drive Gaithersburg, WD 20076  Post Office Address: same as above	
Full name of additional joint inventor: Ann M. Ferrie	
	Date:
Inventor's signature:	Citizenship: US
Residence: 120 Fox Run Drive Tewksbury, MA 01876	·
Post Office Address: same as above	

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Full name of ado	litional fi	rst joint inventor:	Steven M. Rub	en	
Inventor's signatu	re:			Date:	
Residence:	18528 He	ritage Hills Drive, (	Olney, MD 20832	Citizenship:	US
Post Office Addr		same as above			·
Full name of ado	ditional jo	int inventor:	Craig A. Rosen		
Inventor's signatu	ıre:			Date:	
Residence:	22400 Rol	ling Hills Lane, Lay	ytonsville, MD 20882	Citizenship:	US
Post Office Addr		same as above			
Full name of ad	ditional jo	oint inventor:	Yi Li		
Inventor's signatu	ıre.			Date:	
Residence: 990	-6 Alpine	Terrace, Sunnyvale	. CA 94086	Citizenship:	CN
Post Office Add		same as above			
Full name of ad	ditional je	oint inventor:	Zhizhen Zeng		
Inventor's signat	ure:			Date:	
		hter Way, Lansdale	, PA 19446	Citizenship:	CN
Post Office Add		same as above			

Full name of additional joint inventor	r: Paul E. Young		
Inventor's signature:		Date:	
Residence: 122 Beckwith Street, C	Gaithersburg, MD 20878	Citizenship:	_US
Post Office Address: same as			
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Inventor's signatu	ı <b>r</b> e:			Date:	
niventor's signati Residence:	пс. 18528 Не	ritage Hills Drive, (	Olney, MD 20832	Citizenship:	US
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Post Office Add		same as above			

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`..<del>...</del>

Full name of additional j	oint inventor:	Hla Kyaw		
Incomtoula giomatavas	<i>&gt;</i> +~	<b>~</b> }:	Date: 2	9/04
Inventor's signature:	h Circle Frederick	MD 21703	Citizenship:	Myanmar
Residence: 520 Sugarbus	same as above	WID 21703	Citizensinp.	1117 41111141
Post Office Address:	same as above			
Full name of additional j	oint inventor:	Carrie L. Fischer		•
run name of additional j	ome mycheor.			
Inventor's signature:			Date:	
Residence: 5810 Hall	1 Street, Burke, Virg	ginia 22015	Citizenship:	US
Post Office Address:	same as above			
			•	
Full name of additional j	oint inventor:	Haodong Li		
			Data	
Inventor's signature:	4 1 D: 0:4		Date: Citizenship:	CN
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	÷			
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run name or additional j	omt mychtor.	Daniel Itt Sopper		
Inventor's signature:		•	Date:	
Residence: 15050 S	tillfield Place, Cent	reville, VA 20120	Citizenship:	US
Post Office Address:	same as above			
			-	
Full name of additional j	joint inventor:	Reiner L. Gentz		
			<del></del> .	
Inventor's signature:		- 4 44 2 57 20050	Date:	DE
		e, Rockville, MD 20850	_ Citizenship:	_DE_
Post Office Address:	same as above			
T-U of additional	ioint invantore	Ying-Fei Wei		
Full name of additional	joint inventor.	1 mg-rei wei		
Inventor's signature:			Date:	
	vatt Drive, Berkeley	CA 94705	Citizenship:	CN
Post Office Address:	same as above	,, 0227	_ `	
1 ost Office Address.	34110 43 400 10			
Full name of additional	joint inventor:	Paul A. Moore		
·	-			
Inventor's signature:			Date:	
Residence: 19005 L		ermantown, MD 20874	_ Citizenship:	GB
Post Office Address:	same as above			

· 3

Paul E. Young		
	Date:	
rsburg, MD 20878	Citizenship:	_US_
John M. Greene		
_	Date:	
sburg, MD 20878	Citizenship:	US
		<u> </u>
Ann M. Ferrie		
	Date:	
ury, MA 01876	Citizenship:	US
	John M. Greene sburg, MD 20878  Ann M. Ferrie  ury, MA 01876	Date: Citizenship:  John M. Greene  Date: Sburg, MD 20878  Citizenship:  Ann M. Ferrie  Date: Citizenship:

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Full name of additional fi	irst joint inventor:	Steven M. Rub	en	
Inventor's signature:			Date:	
	eritage Hills Drive,	Olney, MD 20832	Citizenship:	US
Post Office Address:	same as above			
Full name of additional j	oint inventor:	Craig A. Rosen		
Inventor's signature:			Date:	
Residence: 22400 Ro	lling Hills Lane, La	ytonsville, MD 20882	Citizenship:	US
Post Office Address:	same as above			
Full name of additional j	oint inventor:	Yi Li	Date:	
Inventor's signature:	T C	CA 04096		CN
Residence: 990-6 Alpine Post Office Address:	same as above	, CA 94086	Citizenship:	CN
Full name of additional j	oint inventor:	Zhizhen Zeng		
Inventor's signature:			Date:	
Residence: 410 Shipwrig	hter Way, Lansdale	, PA 19446	Citizenship:	CN
Post Office Address:	same as above			

PZ003P4

Full name of additional joint inventor:	Hla Kyaw		
Inventor's signature:		Date:	
Residence: 520 Sugarbush Circle Frederick,	MD 21703	Citizenship:	Myanmar
Post Office Address: same as above		•	
	,		
Full name of additional joint inventor:	Carrie L. Fischer		
Inventor's signature:		Date:	
Residence: 5810 Hall Street, Burke, Virg	ginia 22015	Citizenship:	US
Post Office Address: same as above		<u> </u>	
Full name of additional joint inventor:	Haodong Li		
1		Date:	9/01/01
Inventor's signature:  Residence: 11033 Rutledge Drive, Gaith	porchura MD 20878	Date Citizenship:	CN
Post Office Address: same as above	lersourg, WID 20076	_ Citizensinp.	
Post Office Address. Same as above			
	•		
Full name of additional joint inventor:	Daniel R. Soppet		·
		Data	
Inventor's signature:	711 774 20120	Date:	TIC
Residence: 15050 Stillfield Place, Cent	reville, VA 20120	_ Citizenship:	_US_
Post Office Address: same as above			· . · · · · · · · · · · · · · · · · · ·
Full name of additional joint inventor:	Reiner L. Gentz		
-			
Inventor's signature:	D 1 111 16D 00050	Date:	DE
Residence: 13608 Mount Prospect Drive	e, Rockville, MD 20850	_ Citizenship:	DE
Post Office Address: same as above			
Full name of additional joint inventor:	Ying-Fei Wei	<u> </u>	
Inventor's signature:		Date:	
Residence: 242 Gravatt Drive, Berkeley	, CA 94705	Citizenship:	CN
Post Office Address: same as above			
Tall a success of additional injust inventors	Doul A Moore		
Full name of additional joint inventor:	Paul A. Moore		
Inventor's signature:		_ Date: _	
Residence: 19005 Leatherbark Drive Go	ermantown, MD 20874	Citizenship:	GB
Post Office Address: same as above		_	

PZ003P4

Paul E. Young Full name of additional joint inventor: Date: Inventor's signature: 122 Beckwith Street, Gaithersburg, MD 20878 Citizenship: US Residence: Post Office Address: same as above Full name of additional joint inventor: John M. Greene Date: Inventor's signature: US 872 Diamond Drive Gaithersburg, MD 20878 Citizenship: Residence: same as above Post Office Address: Full name of additional joint inventor: Ann M. Ferrie Date: Inventor's signature: 120 Fox Run Drive Tewksbury, MA 01876 Citizenship: US · Residence: Post Office Address: same as above

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

#### 28 Human Secreted Proteins

ecification of which was filed on May 11, 2001 as Application Serial No. 09/852,659.

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Prior Foreign Application(s):		e <sup>2</sup>	Priority C	Claimed
			Yes	. No
(Number)	(Country)	(Day/Month/Year Filed)		· :

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Post Office Address: same as above		<del>-</del>	
Full name of additional joint inventor:  Inventor's signature:	Yi Li	Date:	
Residence: 990-6 Alpine Terrace, Sunnyva	ale, CA 94086	Citizenship:	CN
Post Office Address: same as above			·
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Inventor's signature:		Date:	-
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Inventor's signature:		Date:	
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Post Office Address: same as above	ve	_	
			***
Full name of additional joint inventor:	Reiner L. Gentz		<u>:</u>
Inventor's signature:	·	Date:	
<del></del>	Drive, Rockville, MD 20850	Citizenship:	DE
Post Office Address: same as above			
Full name of additional joint inventor:	Ying-Fei Wei		
1/h. h.			0/./-
Inventor's signature: $U/(h/)$	$\mathcal{L}^{\prime}$	Date:	14/9/
Residence: 242 Gravatt/Drive/Berl	celey, CA 94705	_ Citizenship!	CN
Post Office Address: same as about	ve		
<del></del>		•	
Full name of additional joint inventor:	Paul A. Moore	· <del>-</del>	
Inventor's cianature		Date:	
Inventor's signature:  Residence: 19005 Leatherbark Driv	ve Germantown, MD 20874	Citizenship:	GB
Post Office Address: same as abo		_ Citizenship.	_05_

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Full name of additional	joint inventor: Paul E. Young	<u> </u>	
Inventor's signature:		Date:	•
	kwith Street, Gaithersburg, MD 20878	Citizenship:	US
Post Office Address:	same as above		
Full name of additional	joint inventor: John M. Greene		
Inventor's signature:		Date:	-
	mond Drive Gaithersburg, MD 20878	Citizenship:	US
Post Office Address:	same as above		
Full name of additional	joint inventor: Ann M. Ferrie		
Inventor's signature:		Date:	
_	Run Drive Tewksbury, MA 01876	Citizenship:	US
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#### 28 Human Secreted Proteins

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NOV 0 9 2001

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PZ003P4 1

09/152,060	11 September 1998	Pending
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Inventor's signature:			Date:	
	itage Hills Drive, (	Olney, MD 20832	Citizenship:	US
	same as above			
Full name of additional join	int inventor:	Craig A. Rosen		,
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	ing Hills Lane, Lay	ytonsville, MD 20882	Citizenship:	US
Post Office Address:	same as above			
Full name of additional joint Inventor's signature:	int inventor:	Yi Li	Date:	
Residence: 990-6 Alpine	Terrace, Sunnyvale	, CA 94086	Citizenship:	<u>CN</u>
Post Office Address:	same as above			· ———
Full name of additional jo	int inventor:	Zhizhen Zeng		<u> </u>
Inventor's signature: Residence: 410 Shipwrigh Post Office Address:	ter Way, Lansdale, same as above	PA 19446	Date: <u>29 –</u> Citizenship:	06-2100 CN
1 Ost Office Address.	Same as above	<u> </u>		

PZ003P4

. P

Full name of additional joint inventor: Hla	Kyaw	
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Full name of additional joint inventor: Ca	rrie L. Fischer	
Inventor's signature:	Date:	
Residence: 5810 Hall Street, Burke, Virginia	22015 Citizenship: US	<u>s_</u>
Post Office Address: same as above		
Full name of additional joint inventor: Ha	odong Li	
Inventor's signature:	Date:	
Residence: 11033 Rutledge Drive, Gaithersbu	rg, MD 20878 Citizenship: Cl	N_
Post Office Address: same as above		
Full name of additional joint inventor: Da	niel R. Soppet	
Inventor's signature:	Date:	
Residence: 15050 Stillfield Place, Centreville	e, VA 20120 Citizenship: Us	<u>S</u>
Post Office Address: same as above		
Full name of additional joint inventor: Re	iner L. Gentz	
Inventor's signature:	Date:	
Residence: 13608 Mount Prospect Drive, Roo	kville, MD 20850 Citizenship: D	E
Post Office Address: same as above		
Full name of additional joint inventor: Yi	ng-Fei Wei	
Inventor's signature:	Date:	
Residence: 242 Gravatt Drive, Berkeley, CA	94705 Citizenship: C	N
Post Office Address: same as above		
Full name of additional joint inventor: Pa	ul A. Moore	
Inventor's signature:	Date: town, MD 20874 Citizenship: G	
Residence: 19005 Leatherbark Drive German	town, MD 20874 Citizenship: G	ם_
Post Office Address: same as above		

Full name of additional joint inventor: Paul E. Young		
Inventor's signature:	Date:	
Residence: 122 Beckwith Street, Gaithersburg, MD 20878	Citizenship:	_US_
Post Office Address: same as above		
Full name of additional joint inventor: John M. Greene		
Inventor's signature:	Date:	
Residence: 872 Diamond Drive Gaithersburg, MD 20878	Citizenship:	US
Post Office Address: same as above		
Full name of additional joint inventor: Ann M. Ferrie		
Inventor's signature:	Date:	
Residence: 120 Fox Run Drive Tewksbury, MA 01876	Citizenship:	US
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#### 28 Human Secreted Proteins

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Full name of additional first joint inventor	r: Steven M. Rub	en	
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Residence: 18528 Heritage Hills Drive	, Olney, MD 20832	Citizenship:	US
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Post Office Address: same as above		<del></del>	
Full name of additional joint inventor:  Inventor's signature:	Yi Li	Date:	
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Residence: 990-6 Alpine Terrace, S	Sunnyvale, CA 94086	Citizenship:	CN
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Full name of additional joint inven	tor: Zhizhen Ze	eng	<u>.</u>
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As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject in the which is claimed and for which a patent is sought on the invention entitled:

#### 28 Human Secreted Proteins

the specification of which was filed on May 11, 2001 as Application Serial No. 09/852,659.

NOV 0 9 2001

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s	):		Priority C	laimed
			Yes	No
(Number)	(Country)	(Day/Month/Year Filed)		

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	Filing Date	Appln Number
1.	02-Feb-2001	60/265,583
2.	14-Mar-1997	60/040,762
3.	14-Mar-1997	60/040,710
4.	30-May-1997	60/050,934
5.	30-May-1997	60/048,100
6.	30-May-1997	60/048,357
7.	30-May-1997	60/048,189
8.	05-Sep-1997	60/057,765
9.	06-Jun-1997	60/048,970
10.	19-Dec-1997	60/068,368

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(b) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as

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09/152,060	11 September 1998	Pending
(Application Serial No.	(Filing Date)	(Status: patented, pending, abandoned)
PCT/US98/04858	12 March 1998	Pending
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: James H. Davis (Reg. No. 40,582), Kenley Hoover (Reg. No. 40,302), Joseph Kenny (Reg. No. 43,710), Jonathan L. Klein (Reg. No. 41,119), Michele Wales (Reg. No. 43,975) and Mark J. Hyman (Reg. No. 46,789) of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20878.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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